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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)  Sheet 1 of 2		<b>Complete if Known</b>	
		Application Number	09/914,667
		Filing Date	August 31, 2001
		First Named Inventor	Stephen John Clifford Taylor
		Group Art Unit	1624 1651
		Examiner Name	LILLING
		Attorney Docket Number	GJE-247

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	U1					
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	F1	EP	0 002 564	A1	Beecham Group	06/27/1979	All	
	F2	EP	0 232 017	A1	The UpJohn Co.	08/12/1987	All	
	F3	EP	0 424 064	A1	Enzymatix LTD	04/24/1991	All	
	F4	GB	1 273 278	A	Farbwerke Hoechst	05/03/1972	All	
	F5	WO	92/18477	A1	Chiros LTD.	10/29/1992	All	
	F6	WO	97/10713	A1	Ciba-Geigy	03/27/1997	All	
	F7	WO	99/41405	A1	G.D. Searle & Co.	08/19/1999		
	F8							
	F9							
	F10							

Examiner Signature		Date Considered	6/17/03
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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
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Sheet

2

of

2

Attorney Docket Number

GJE-247

Examiner Name

KLING

Group Art Unit

1024 1657

First Named Inventor

Stephen John Clifford Taylor

Filing Date

August 31, 2001

Application Number

09/914,667

Complete if known

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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R1	CSOMOS, PETER, LIISA T. KANERVA, GABOR BERNATH AND FERENC FULOP, "Biocatalysis for the Preparation of Optically Active $\beta$ -Lactam Precursors of Amino Acids" <i>Tetrahedron: Asymmetry</i> , Vol. 7, No. 6, pp 1789-1796, 1996, Elsevier Science Ltd, Printed in Great Britain	
R2	KANERVA, LIISA T., PETER CSOMOS, OSKARI SUNDHOLM, GABOR BERNATH, FERENC FULOP, "Approach to Highly Enantioselective $\beta$ -Amino Acid Esters by using Lipase Catalysis in Organic Media" <i>Tetrahedron: Asymmetry</i> , Vol. 7, No. 6, pp. 1705-1716, 1996, Elsevier Science Ltd, Printed in Great Britain.	
R3	KURIHARA, MASA-AKI, KEIJI KAMIYAMA, SUSUMU KOBAYASHI AND MASAJI OHNO, "Diversified Synthetic Approaches To The Carbapenem Antibiotics Based on Symmetrization-Asymmetrization Concept" <i>Tetrahedron Letters</i> , Vol. 26, No. 47, pp. 5831-5834, 1985, Pergamon Press Ltd, Printed in Great Britain.	
R4	TAMURA, NORIKAZU, YASUHIKO KAWANO, YOSHIHIRO MATSUSHITA, KOUICHI YOSHIOKA, MICHIOHIOKO OCHIAI "An Efficient Synthesis Of A Key Intermediate For Optically Active 5,6-GIS-Carbapenem Antibiotics" <i>Tetrahedron Letters</i> , Vol. 27, No. 32, pp 3749-3752, 1986, Pergamon Journals Ltd, Printed in Great Britain.	
R5		
R6		
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